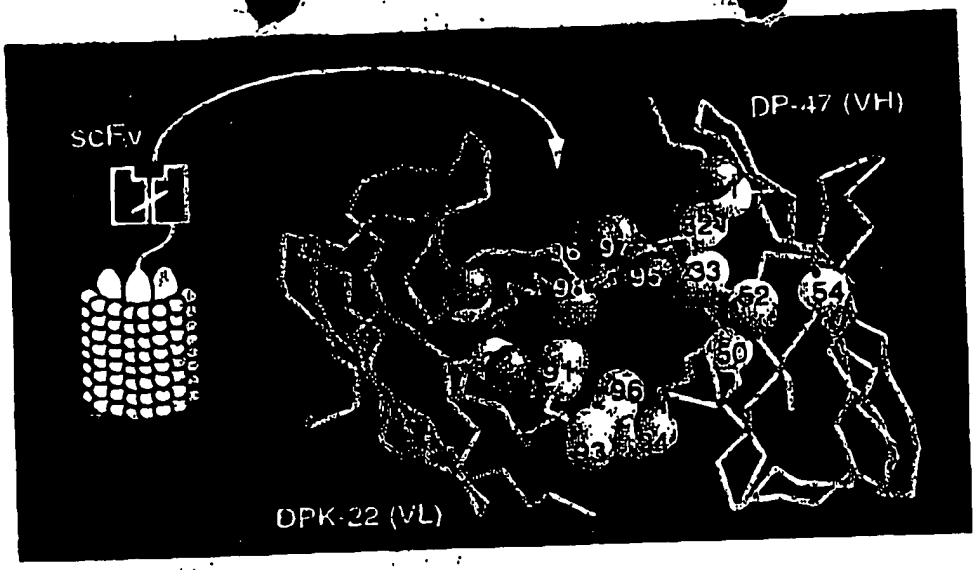
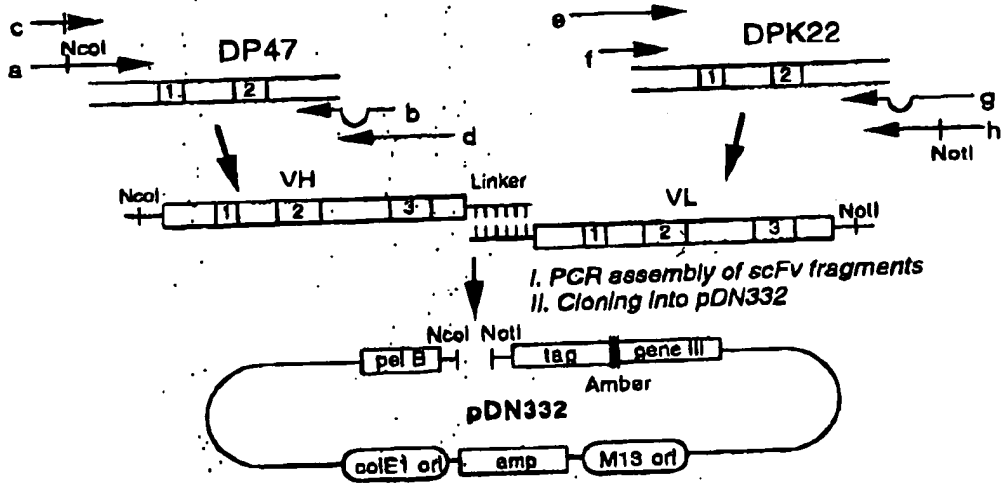
A)



B)



	VH primers:	
a	DP47baNco	GCG GCC CAG CAT GCC ATG GCC GAG GTG CAG CTG TTG GAG TCT GGG
b	CDR3for	GGT TCC CTG GCC CCA GTA GTC AAA MNN MNN MNN MNN TTT CGC ACA GTA ATA TAC G
c	VHpullth	GCG GCC CAG CAT GCC ATG GCC GAG
d	Jaasm	CCC GCT ACC GCC ACT GGA CCC ATC GCC ACT CGA GAC GGT GAC CAG GGT TCC CTG GCC CCA GTA GTC
	VL primers:	
e	DPK22assm	GAT GGG TCC AGT GGC GGT AGC GGG GGC GCG TCG ACT GGC GAA ATT GTG TTG ACG CAG TCT CC
f	DPK3for	CAC CTT GGT CCC TTG GCC GAA CGT MNN CGG MNN MNN ACC MNN CTG CTG ACA GTA ATA CAC TGC
g	Jfornot	GAG TCA TTC TCG ACT TGC GGC CGC TTT GAT TTC CAC CTT GGT CCC TTG GCC GAA CG
h	pullth	GAT GGG TCC AGT GGC GGT AGC GGG

Figure 1

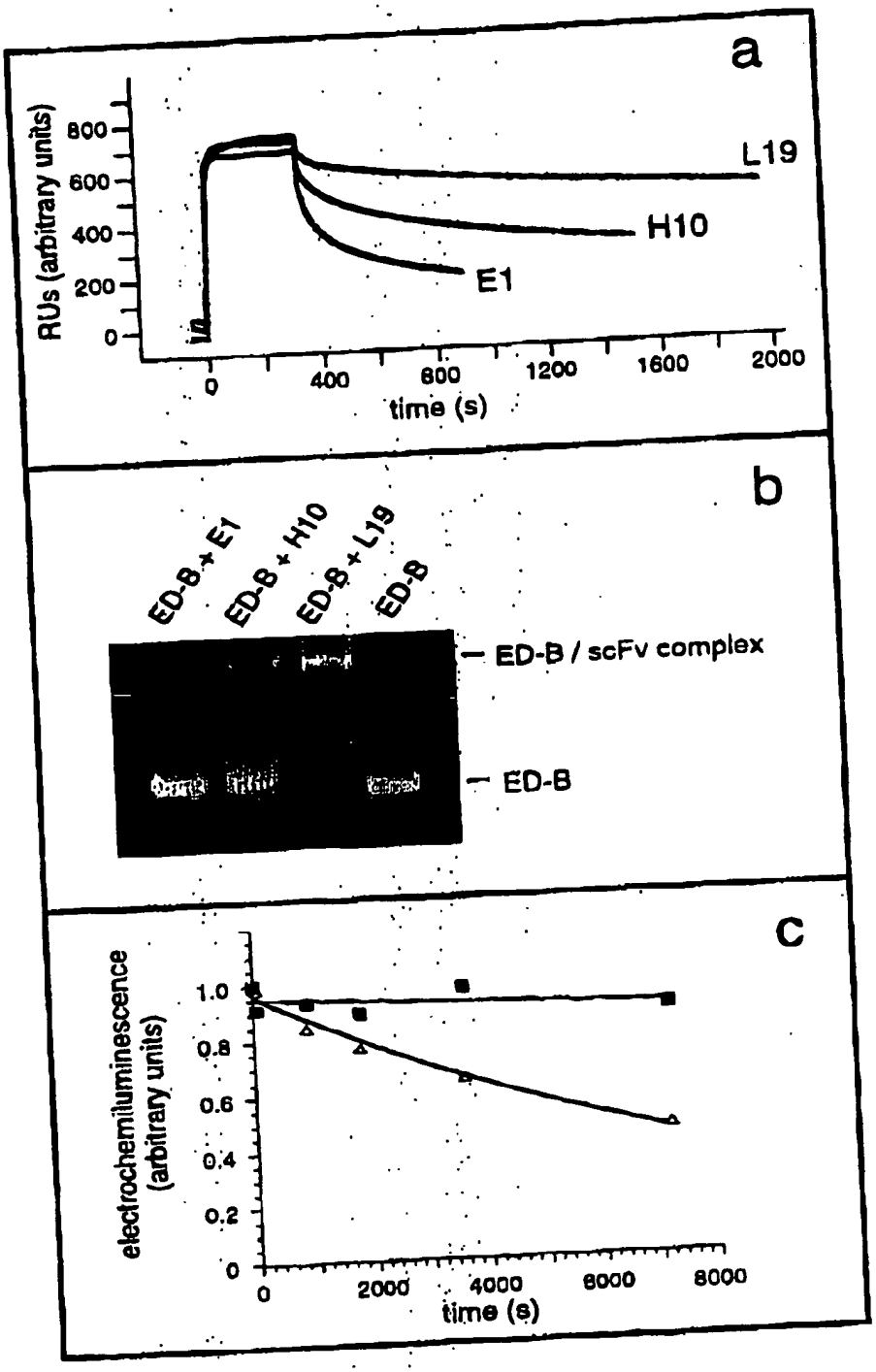

a
RUs (arbitrary units)
800
600
400
200
0
in
L19
H10
E1
0
400
800
1200
1600
2000
time (s)
b
ED-B + E1
ED-B + H10
ED-B + L19
ED-B
ED-B / scFv complex
ED-B
c
electrochemiluminescence (arbitrary units)
1.0
0.8
0.6
0.4
0.2
0
0
2000
4000
6000
8000
time (s)

Figure 4

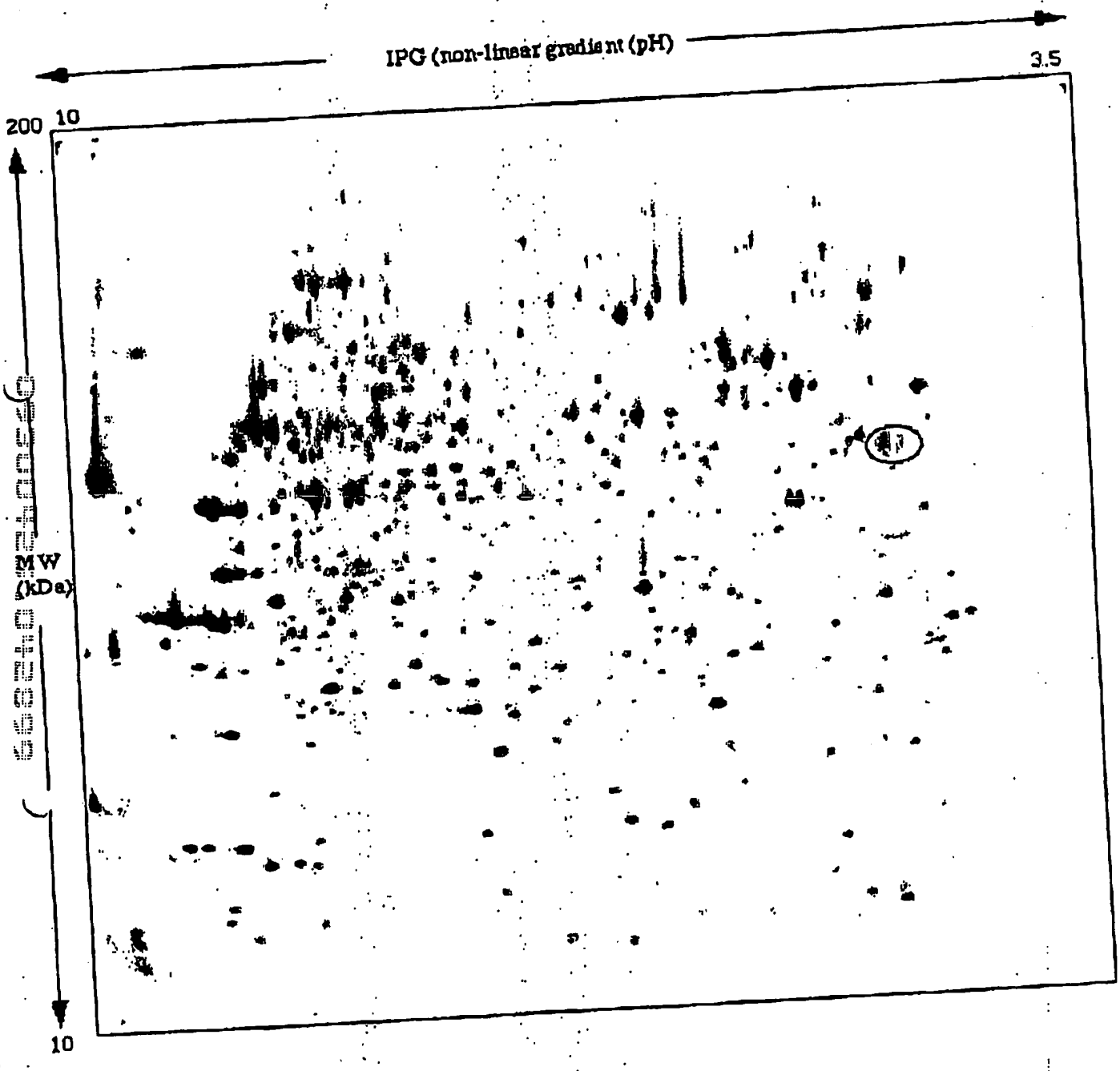


Figure 2A

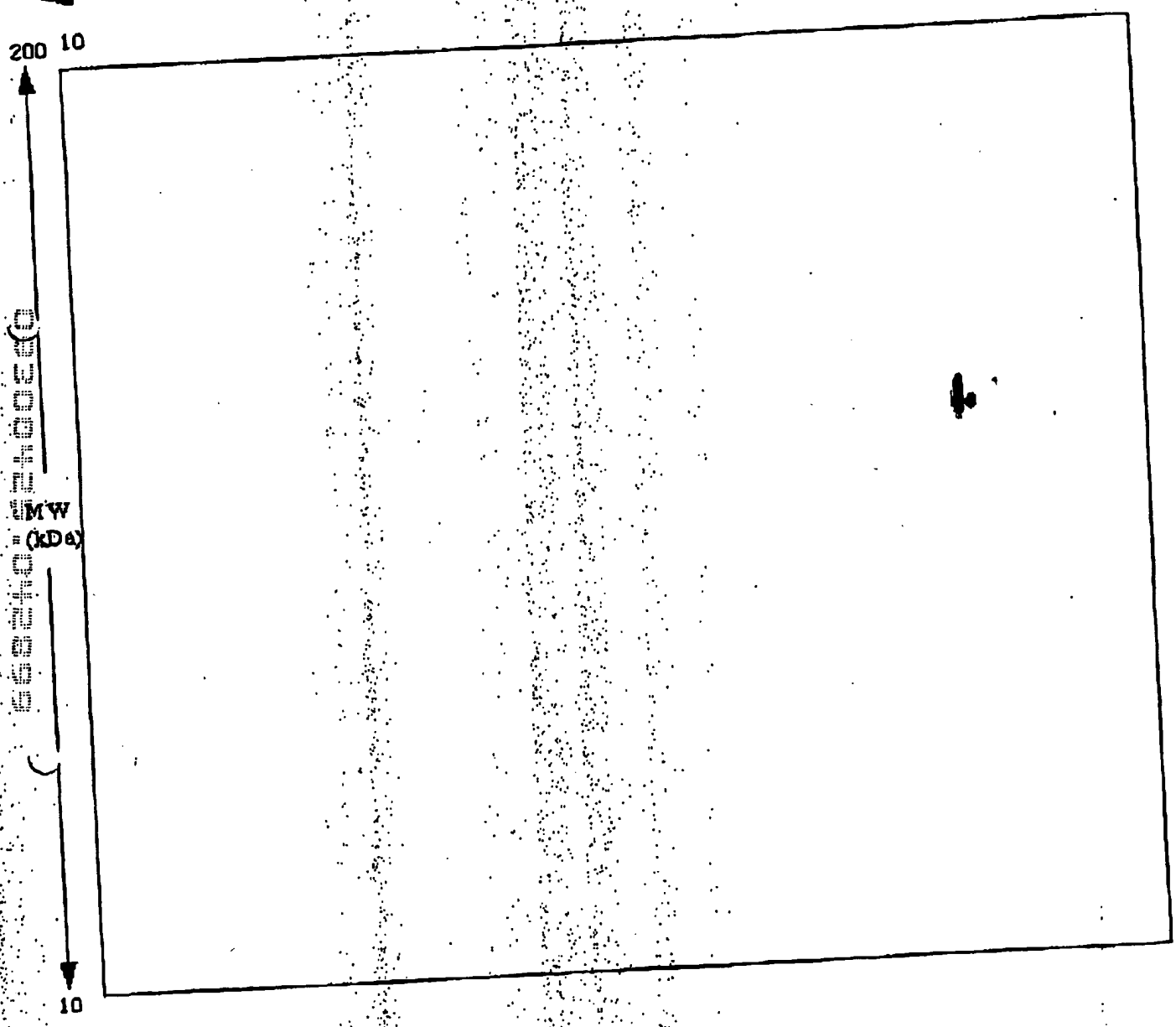
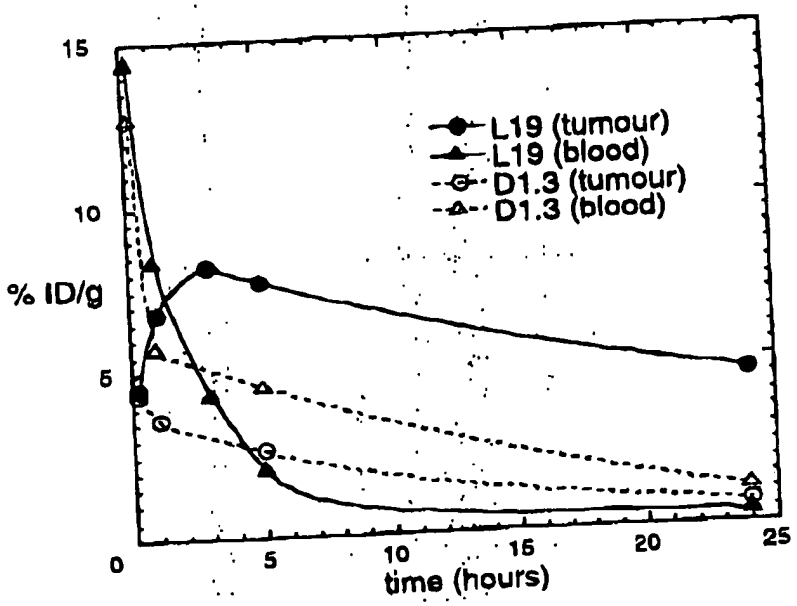


Figure 2B

Figure 3



%ID/g / time (h)	scFv (L19) Kidney	Spleen	Lung	Liver	Brain	Blood	Tumor	scFv (D1.3) Blood	Tumor
0.25	26.4 ± 4.7	5.4 ± 0.4	15.1 ± 5.1	5.7 ± 0.6	0.4 ± 0.04	14.4 ± 2.6	4.8 ± 1.0	12.7 ± 0.1	4.4 ± 0.4
1	19.2 ± 3.9	3.8 ± 0.3	9.8 ± 0.9	2.8 ± 0.3	0.3 ± 0.1	8.3 ± 0.9	6.9 ± 2.4	5.7 ± 0.7	3.6 ± 1.0
3	8.1 ± 1.6	2.0 ± 0.3	6.0 ± 1.4	1.7 ± 0.02	0.2 ± 0.01	4.8 ± 0.3	8.2 ± 4.2	—	—
5	4.2 ± 1.1	1.8 ± 0.2	3.5 ± 0.2	1.9 ± 0.3	0.1 ± 0.02	2.0 ± 1.8	7.7 ± 2.6	4.6 ± 1.2	2.6 ± 1.6
24	0.7 ± 0.1	0.4 ± 0.1	1.0 ± 0.1	0.2 ± 0.04	0.02 ± 0.01	0.4 ± 0.1	4.7 ± 0.6	1.1 ± 0.5	0.7 ± 0.4

Figure 5

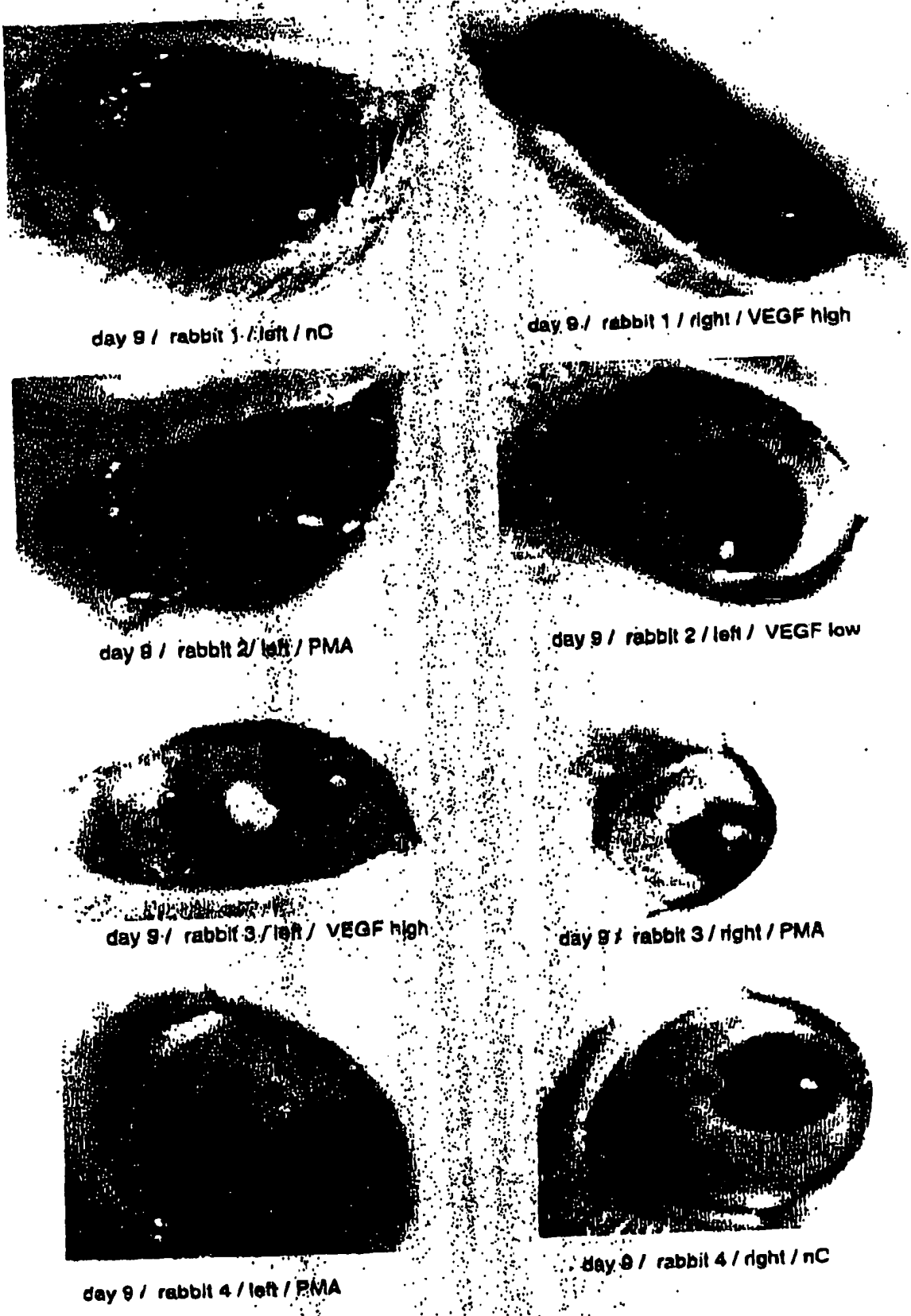

day 9 / rabbit 1 / left / nC
day 9 / rabbit 1 / right / VEGF high
day 9 / rabbit 2/ left / PMA
day 9 / rabbit 2 / left / VEGF low
day 9 / rabbit 3 / left / VEGF high
day 9 / rabbit 3 / right / PMA
day 9 / rabbit 4 / left / PMA
day 9 / rabbit 4 / right / nC

Figure 7

Figure 8

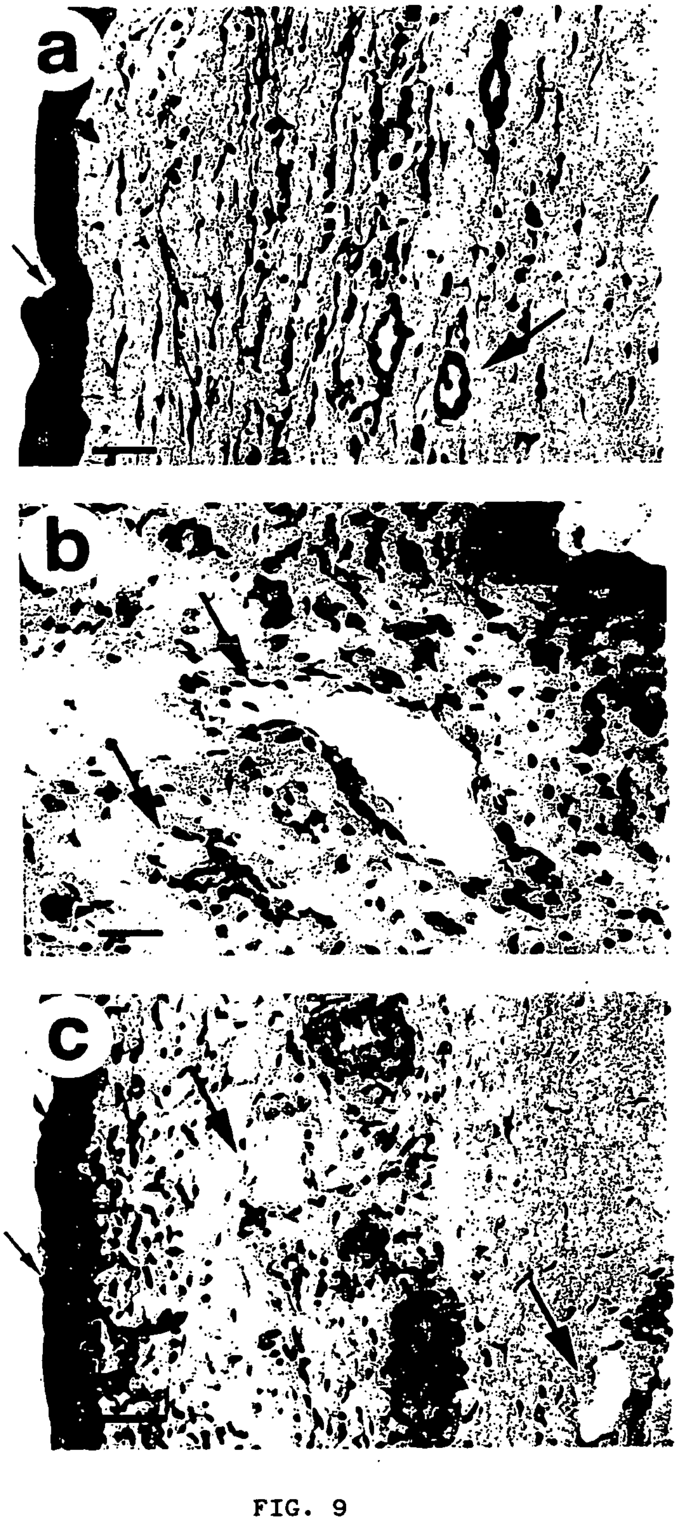


FIG. 9

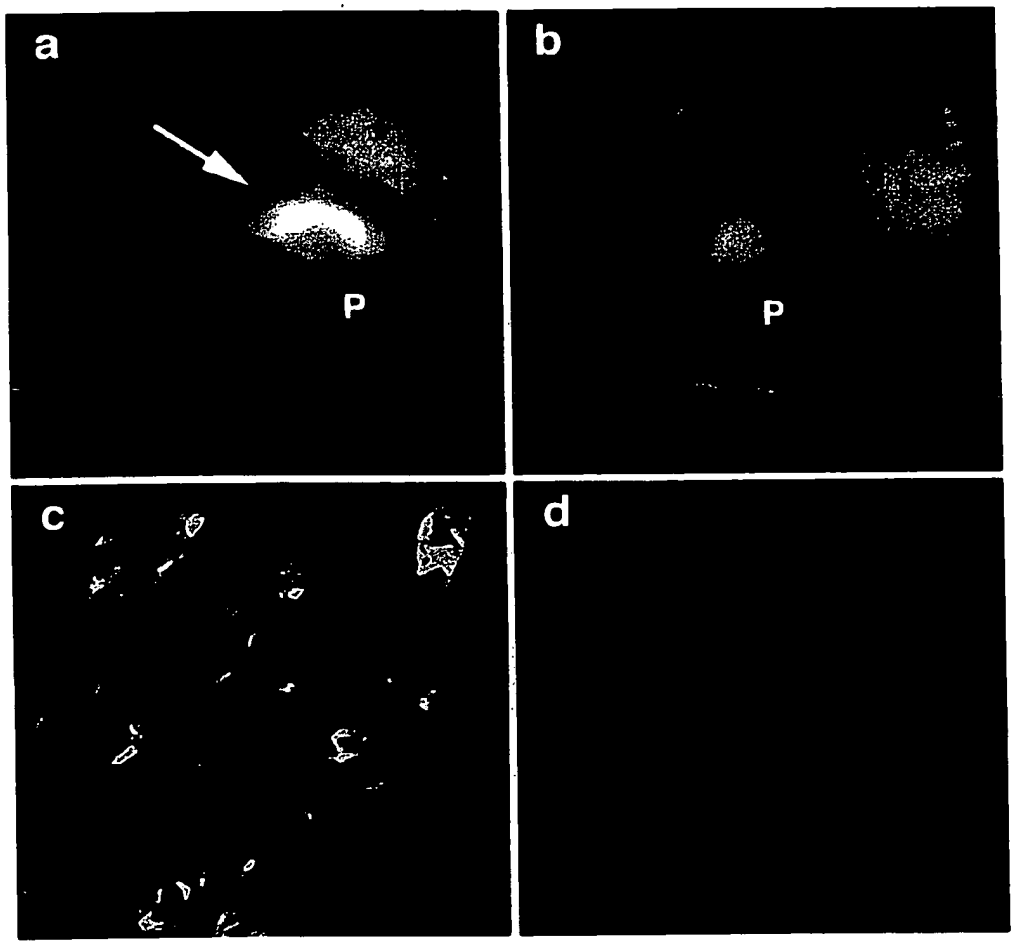


FIG. 10

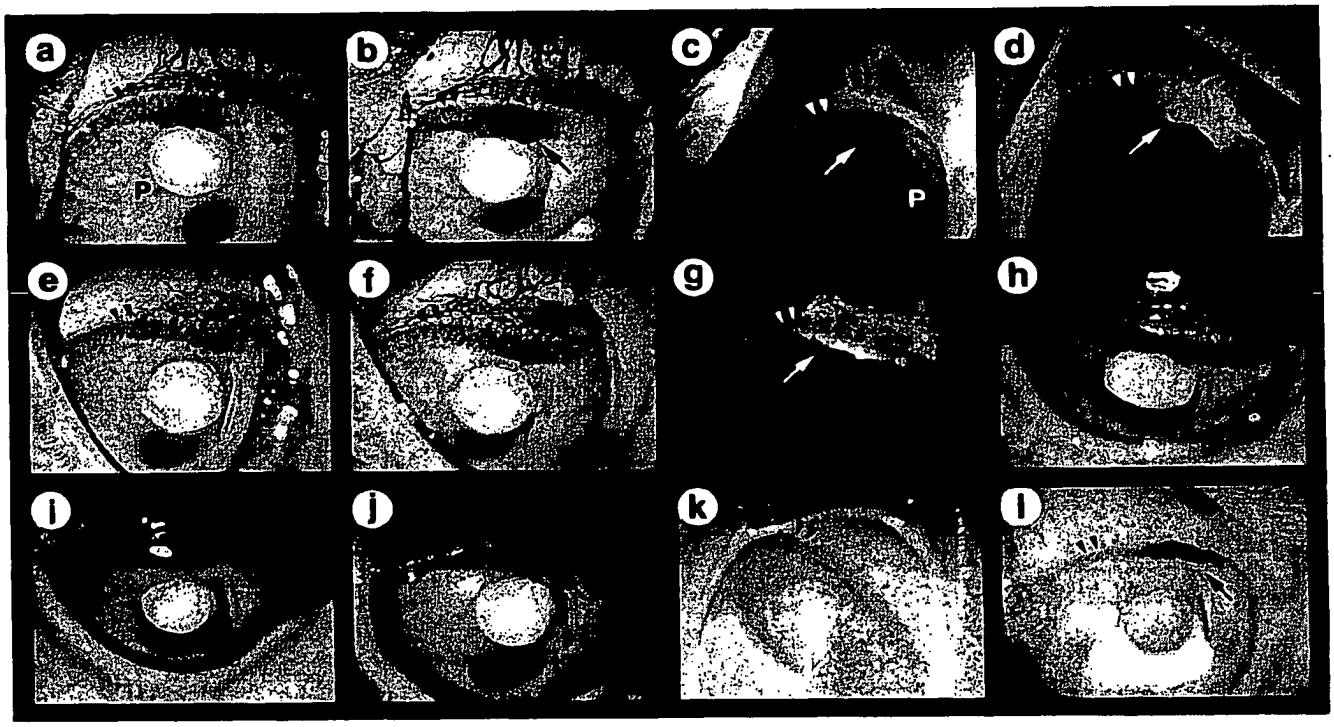


FIG. 11

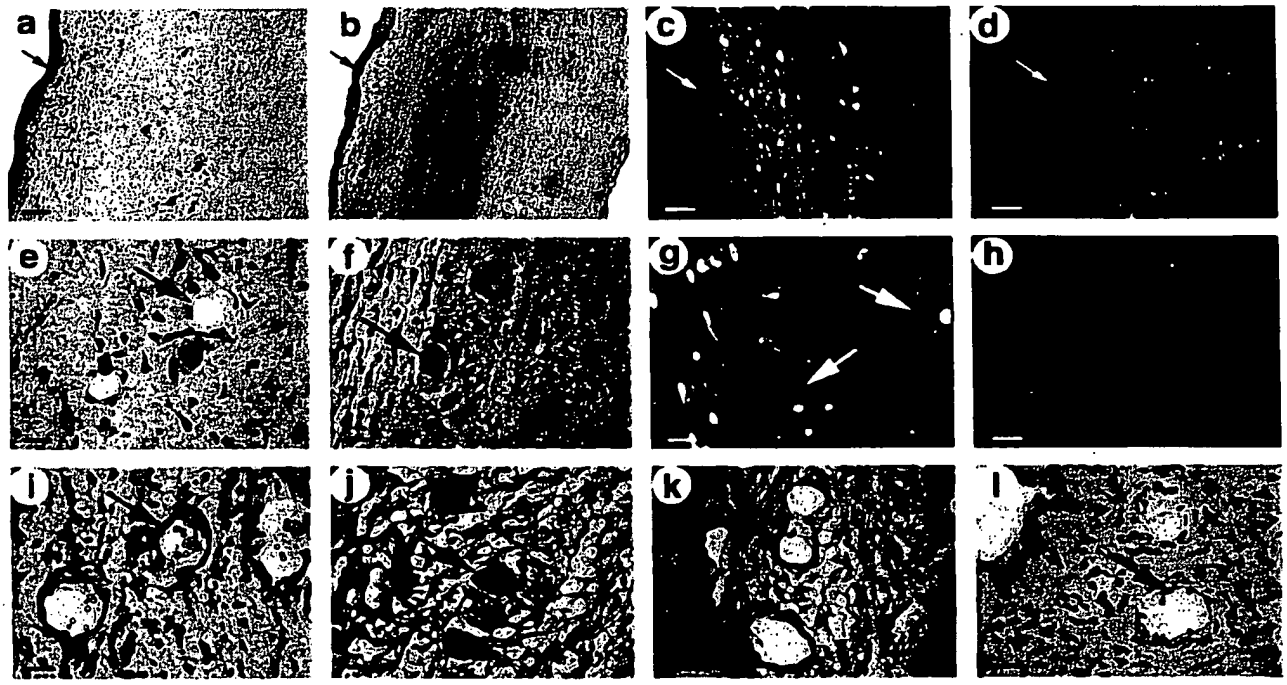


FIG. 12